

## CERTIFICATE OF ANALYSIS

Semaglutide Powder (Synthetic)	CAS: 910463-68-2
Product No.	Batch No.: 23061601
Date of Mfg: Jun 16, 2023	Date of Exp: Jun 15, 2025
Sequence: His-Aib-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-Lys(PEG2-PEG2- $\gamma$ -Glu-17-carboxyheptadecanoyl)-Glu-Phe-Ile-Ala-Trp-Leu-Val-Arg-Gly-Arg-Gly	

Test	Specification	Result
Appearance	White powder conforms	conforms
MS	4113.6 $\pm$ 1.0	4114.5
Solubility	Soluble in water (50mg/ml)	conforms
HPLC	The principal peak in the chromatogram obtained with the test solution is similar in retention time to principal peak in the chromatogram obtained with the reference solution.	conforms
Purity	NLT 98.0%	99.67%
Sodium ion	NMT4.0%	1.1%
Water content(KF)	NMT8.0%	4.6%
Trifluoroacetate	<0.5%	N.D
Acetic acid	<0.5%	0.05%
Endotoxins	Less than 10IU/mg	Conforms
pH	6.0~9.0(50mg/ml)	6.4
Peptide content(N%)	NLT 85.0%	95.2%
Assay	97.0%-103.0%(anhydrous and acetic acid free substance)	100.9%
Residual solvent		
Acetonitrile	NMT 410 ppm	153ppm
N,N-Dimethylformamide	NMT 880 ppm	N.D
DCM	NMT 600ppm	N.D

**Storage: In an air tight container, protected from light**

**Temperature :Short Term:2-8°C ; Long Term:below-10°C**

Conclusion: the product complies with specification.

It is only supplied as chemical product.